Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Sunday 21 Jan 2024 until 23:59 on Monday 22 Jan 2024

Forecast Issued on Sunday 21 Jan 2024 at 02:26

Confidence: High for an unsettled and windy westerly pattern for the coming days, but lowering for the detail of transitions between the worst of conditions.

Headline for Sunday 21 Jan 2024: Rain for much of the day, heavy at times particularly from midday. Winds increasing storm to violent storm force from the afternoon as Storm Isha reaches the country.

Mountain weather hazards on Sunday 21 Jan 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** High Likelihood
Gales High Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain
Precipitation probability					
70%	50%	80%	90%	90%	90%

Forecast for Sunday 21 Jan 2024

Weather: A cloudy unsettled day with periods of rain, initially wintry across higher peaks, turning heavy at times, particularly from mid-day.

Chance of cloud-free hill tops above 800m: 25% during morning, Virtually nil from mid-day

Low cloud and visibility: Moderate or poor in rain, very poor in early summit snow and within cloud with bases quite frequently down to 600m during the morning, becoming extensive from mid-day with patches lower down also.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Sunday 21 Jan 2024

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	43/51 SW	45/54 SW	58/72 SW	68/85 SW	74/92 SW	82/104 SW	69/88 SW
600	36/46 SW	39/50 SW	47/62 SW	52/70 SW	56/76 SW	66/90 SW	55/76 SW
300	12/35 SW	14/37 SW	15/46 SW	17/55 SW	19/59 S	25/70 SW	21/61 SW
Valley	12/33 SW	13/34 SW	16/44 SW	21/55 SW	23/61 SW	29/70 SW	25/59 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	2/-7	2/-7	3/-6	4/-5	4/-5	6/-3	3/-6
600	3/-4	4/-4	5/-3	6/-2	6/-2	7/-0	5/-3
300	5/2	6/2	6/2	7/3	7/3	8/4	8/3
Valley	7/3	8/4	8/4	9/5	9/5	10/6	9/5
Freezing Level*	1100m	1100m	1500m	2300m	2600m	1900m	1400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Winds increasing through the day as Storm Isha approaches the NW of the United Kingdom, bringing storm to violent storm force winds from the afternoon.

Forecast for Monday 22 Jan 2024

Weather: Winds storm force overnight Sunday, easing to a gale to severe gale force westerly by dawn, bringing showers and brighter spells, with outbreaks wintry above 600-700m, also heavier and more frequent early, before dwindling into the afternoon.

Maximum wind: West to Southwest severe gale to storm force winds overnight Sunday with gusts in excess of 70mph across more exposed ridges and summits, easing gale from dawn mean 40mph with gusts 60mph.

Chance of cloud-free hill tops above 800m: By day 70% becoming 85% for afternoon

Low cloud and visibility: Good becoming moderate or poor in rain showers, very poor in snow showers and within cloud with bases occasionally lowering 600m.

Temperature: **Valleys:** Plus 3 Celsius increasing 9 Celsius
At 800m: Zero Celsius
Freezing level: 800m by day

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 20 January.Location: Catstycam summit at 14:30.Temperature: plus 1.8°C.Maximum wind speed 45.3mph.Wind chill: minus 8.0°C.Average wind speed: 25.2mph.Full report:As forecast an extremely challenging day on the Lake District fells with a turbo thaw to above summit levels and the arrival of Storm Isha giving gale force winds, poor visibility and driving rain.The variable snow line is rapidly rising and is anywhere between 500 & 800m. The snow is up to knee deep in places but saturated and thawing at all altitudes giving hard going away from paths. Cornices were slumping & collapsing and should be given a wide berth.Many streams and rivers are now in spate with localised flooding and some stream crossings may become impassable. There was still a surprising amount of ice surviving at lower elevations especially where the snow had been compressed beneath walkers feet and microspikes and trekking poles were very useful on even the easiest paths. Winds on Sunday (tomorrow) are forecast to be even stronger with a significant increase at dusk and overnight with the potential for 100mph gusts on the fells. At these levels there is a significant risk of being blown over or even going airborne with a high risk of injury. Additionally if the freezing level drops slightly then any saturated snow will quickly refreeze giving serious and consequential conditions underfoot on which an ice axe and crampons will be essential. Full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment including a torch, map and compass combined with the skills to use them, sound mountain judgement, the ability to navigate, a conservative plan & a sense of humour will all be essential for a successful adventure tomorrow. Crampons and an ice axe would be a very good idea for anyone venturing above the snow line

Issued at: 02:26 on Sun 21 Jan 2024

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